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(21) International Application Number: PCT/EP99/10376 (22) International Filing Date: 23 December 1999 (23.12.99) (30) Priority Data: 198 60 040.2          23 December 1998 (23.12.98)    DE (71) Applicant (for all designated States except US): ISOVER SAINT-GOBAIN [FR/FR]; Les Miroirs, 18, avenue d'Alsace, F-92400 Courbevoie (FR). (72) Inventor; and (75) Inventor/Applicant (for US only): HORRES, Johannes [DE/DE]; Am Hinteren Rindweg 25, D-68526 Ladenburg (DE). (74) Agent: KUHNEN & WACKER PATENTANWALTS- GESELLSCHAFT MBH; Alois-Steinecker-Strasse 22, D-85354 Freising (DE).	(81) Designated States: AU, BR, CA, CN, CZ, IN, JP, KR, NO, PL, RU, TR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  Published <i>With international search report.          Before the expiration of the time limit for amending the          claims and to be republished in the event of the receipt of          amendments.</i>	

(54) Title: METHOD FOR THE PRODUCTION OF BINDER-BOUND MINERAL WOOL PRODUCTS, APPARATUS FOR CARRYING IT OUT, MINERAL WOOL PRODUCT THEREBY PRODUCED, COMPOSITE MINERAL PRODUCT THEREBY PRODUCED AND USE OF THESE PRODUCTS

## (57) Abstract

Method for the production of binder-bound mineral wool products, in which mineral fibres are deposited on a production surface (13) to form a mineral wool web (12) and are compacted, and their relative positions are reoriented by mechanical action, for which purpose the web is guided on its large faces and at the same time forces, in particular upsetting forces, are introduced into the web in parallel with the large faces, the forces being introduced in introduction regions which are located next to one another transversely to the running direction in zones and in each case at a distance from one another and one behind the other in the running direction in longitudinal zones, and the introduction regions of adjacent longitudinal zones being arranged so as to be offset relative to one another, after which the binder is cured. The introduction regions are designed to be elongated in the running direction (14) of the mineral wool web (12), and the introduction regions of longitudinal zones located next to one another form overlap regions (27; 127). As a result, such high longitudinal forces can be introduced into the web that the material of the mineral wool web is exposed to a fulling action in the web plane.

